

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [1153] Additional licensing effort for > 50W?
Message-ID: <Pine.3.89.9607171241.I4892-0100000@w3eax.umd.edu>

My friend Mike, DL7HEM/N3ODL, is currently in "Old Deutsch Land" - Hamburg, to be exact. He reports that the German gov't is requiring additional certification (for environmental standards) for anyone, be it a person or a company, wishing to run greater than 10 watts of RF.

This, he says, forces people into QRP. He's now a QRPer because he can't afford not to be.

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts ** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC ** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Frank" <g3ycc@enterprise.net>
Subject: [1150] Additions to my web pages.
Message-ID: <199607171816.SAA12806@mail.enterprise.net>

Hi all.

Thanks for the many comments about my web pages, which I am pleased to hear many have found useful.

I have today scanned some pictures and added two pages, one on the MFJ 9420 and one about morse keys.

Enjoy!

--

Frank G3YCC

Ham Radio QRP Web Page:

<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: MRQUADROS@aol.com
Subject: [1146] argo-rtty/cw
Message-ID: <960717121754_578704531@emout08.mail.aol.com>

Hi there:

Can anyone help me. I'm going to try to interface an ARGO 556 with a BayPac BP2-M and a laptop. Any help ahead of time before I make a mistake???

Thanks in advance...jq

ARS---KB6DLN
NORCAL #1603
John Quadros
E-mail--mrquadros@aol.com

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: KFGlynn@aol.com
Subject: [1156] Battery Info
Message-ID: <960717140946_158230974@emout10.mail.aol.com>

Hi gang,

I'd like to use my OHR Sprint II for 40M portable work, and was thinking about using rechargeable ni-cads (10 for 12.5v), or a small gel cell. I have the Power Station gel cell, but want something smaller and lighter for this.

The rig needs abt 250 mA on transmit, and 30 mA on receive. If I use the audio filter that needs 100 mA.

Is anyone using rechargeable ni-cads this way? RS claims that their AAs are rated for .650 amp hours. I have 6 on hand already, so would only need to buy 4 more. Is RS serious about the .650 amp hour rating?

Does anyone work with ni-cads now?

Not sure if this is even worth it, but may be worth a try.

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: BWHITTEM@mailgw.sanders.lockheed.com
Subject: [1149] boy scout trip
Message-ID: <1ed18500@mailgw.sanders.lockheed.com>

i will be on a trip with bsa troop 135 from manchester,nh from july 27 till aug 7. ill be bringing my swl 30 with me and a dipole ill be running with 8 a cells. ill be in nh white mountains for the first few days and then will be in the wilderness of maine for 4 days. i will be bringing my 2m handie along also but not sure how usefull it will be. i dont plan on being real active but if you hear me give me a shout. please reply to wb1edi@scoot.netis.com

73/72 de wb1edi
barry

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Ronaldo Reis <ps7ab@digi.com.br>
Subject: [1116] Brazil Ham Page
Message-ID: <31ECFA5F.506A@digi.com.br>

Natal City, Brazil, July/96

Hi my friend:

Please, call on and divulge the BRAZIL HAM PAGE, in the following URL:

<http://www.digi.com.br/users/brazil/ps7ab.html>

The page is in english and portuguese, and my intent is to provide a safe site to access a wide variety of information about Radioamateur and SWL in Brazil.

Mny tnks, 73.

PS7AB, Rony.
ps7ab@digi.com.br

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: rflight@VNET.IBM.COM
Subject: [1133] Censored - (Long and perhaps offensive)
Message-ID: <199607171403.KAA27449@nss2.CC.Lehigh.EDU>

Hi folks;

I wrote a monthly "opinion" column for a local radio club, and was a bit disappointed that I got little hate, and only occasionally verbal comments on the local repeater that referred to the column which I called "Short Circuits". Virtually all of the verbal feedback was positive, and thus became very much a one sided debate, and I began losing interest in the effort, and my audience was too passive to engage me in verbal sparring. We have our statistical share of codeless Tech's, and many of these emerged from a background of Citizens Band. Many abandoned CB for the same reasons much of the amateur radio community bashes it.

Keep in mind, that the mission of my column was to provide an opportunity

for healthy debate of differing opinion, and not to candy coat the messages in a manner that won't "ruffle your feathers."

The icebreaker that made me give up on writing the column was when the attached was rejected for publication in our newsletter... for the very reason I thought it worthy... It hits HOME with much of the audience. It turns out that the editors are also into CB, and politely informed me that they just spent \$500 for a new CB for their motorcycle. No I didn't sieze the opportunity to ask them why they didn't invest that kind of money into a real radio :-). They informed me that they were exercising their "editors privilege" and not publish that installment. I received this feedback in a formal letter stapled to my copy of the newsletter for that month. Yes... they didn't offer me an opportunity to submit another article before the deadline for publication. Further... they politely asked me to write future articles in a more positive way. That comment gave me writers block, and I was at a loss for two months on what to write about. I then began to realize that it felt good to not have to deal with the stress of meeting the monthly deadlines. For what it's worth... I haven't heard word one about the sudden disappearance of "Short Circuits" :-). Guess they forced a good decision on my part.

Enough of the babble on the history... The following was my Swan Song. Flame away... I love folks who don't agree with me. Just go easy on this list, not all share our passion.

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--           Learning from anothers success;           --  
--           is easier than learning from my own mistakes.   --  
-----
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And now.....

The Rest of the Story!

SHORT CIRCUITS

Just about 40 years ago, Citizens Band Radio brought two-way radio communications into mainstream America. It was intended to be a medium of communications available to the average citizen to provide short range low cost business, personal and emergency communications. Although licensing was required, such was available for a token fee, and the filing of a simple application with the FCC. A single license was issued per household which permitted operation of one fixed "base " station, and up to 10 mobile units. It was ideal for small "Mom and Pop" businesses that couldn't afford the luxury of

commercial business radio systems and their high cost licensing, frequency coordination, and equipment maintenance fees.

"CB" caught on slowly for its obvious benefit toward conducting small business operations, and as the cost of equipment began to decline more households and families joined in to keep in touch as their lifestyles became increasingly mobile. The increased demand enticed radio manufacturers to cash in on the new "technology" rage. Competition ensued, cost dropped further, and demand accelerated.

I could continue to document the evolution of this phenomenon, but that's not my intent. There are many good and many bad remnants of that experience, the best and worst of each which are still observable today. I will only summarize by saying that what began as a regulated facility to serve the mobile communications needs of the average citizen quickly eroded into uselessness in spite of incredible leaps in performance capabilities of radio communications equipment and communications technology in general.

You should be aware of the remarkable parallels of that evolution in our radio communications history and the future that lies before us. The use of the new "Citizens" radio service was used for its intended purpose, and its popularity growth was innocent enough. It lacked two important aspects that have proven effective at keeping the amateur radio service in check since the birth of radio as a viable means of communicating without wires.

First there is the "right of passage". Clearly; few if any of us were "Mr. Wizard's" when we were first licensed. I dedicated every free moment of the summer of my 16th year practicing Morse code by sending "No parking any time", "Stop", "Yield to Pedestrians in Crosswalk", in my head as I drove by these popular postings as I rode to and from my summer job. I memorized the ARRL's Q&A manual, and drilled myself until I was confident I could answer the questions and perform the calculations. My interest and motivation were intense, but I had no idea how to begin to tune a radio much less repair or (heaven forbid) build one. Nonetheless; I was REQUIRED to demonstrate a minimum level of understanding and skill in order to EARN the "privilege" of operating an amateur radio station.

One works hard to protect and defend that which takes significant effort to obtain. Having paid the price, one is also less likely to abuse those privileges and as such put losing them at risk. I am not saying this process works for all, but it

has proven to be an effective filter. Ask any parent who is proud of the achievements of their offspring.

I don't wish to offend many of my loyal readers, but many of you haven't earned your privileges. Some (because of self-discipline, or excellent Elmer'ing) have. However; reflect a bit on some of the discussions you surely must hear while "monitoring" the local machines.

How many times have you heard "I passed my No-Code at the blankety blank radio club meeting of the third try..." or how about "I didn't have time to learn all the letters yet, but I took the 13 WPM test for the practice and got 7 of the 10 questions right on the second try." Feel free to argue with me, but I doubt very seriously you will ever hear that person using CW in the Novice spectrum much less in the General or Advanced portions of the CW spectrum. Bear in mind however; that there is nothing to restrict them from creating a great deal of interference in that part of the spectrum with Packet, AMTOR, or RTTY communications.

Contrast this with years past when you had to appear before an FCC examiner, were given one opportunity to take the test, and given a minimum of 30 days extra study time before you could make a second attempt. To this "hardship", you also had to travel as much as 75 miles to appear before the FCC examiner, and forget Q&A on the code. I copied the Extra code test 100 percent on my first attempt, and the Engineer-in-charge wasn't at all interested in the one spelling error I detected. He simply marked it as an error on my paper and handed me the written test, which I would not have had the privilege of reviewing had I failed the code session.

Who do you think will be most upset when their hobby gives way to thoughtless neglect and careless control?

The second element that has kept amateur radio in check is the observance of protocol. You may have heard this called "Self Policing". The latter implies legal enforcement of our privileges from among our ranks. It should come as no surprise to any of you that we have no such authority. Nor does the FCC. They simply state the rules. This however will not become Civics lesson.

Protocol, loosely defined, is a set of agreed to rules of behavior. Once learned, these rules become a discipline, and the resultant discipline serves to keep the environment controlled and in harmony with all users sharing that environment. Is there

any question that the Citizens Band lacks such discipline? What is this "Protocol", and how do we learn it? In other words; How do we maintain "law and order" in a community where we have no authority?

All are fair questions; and ones which have no crisp and articulate answers. The answers do have a common theme though, and are summarized in a popular quote whose author I am unable to identify.

"BE SURE YOUR BRAIN IS RUNNING BEFORE YOU THROW YOUR MOUTH IN GEAR..."

Surnames are formal, and the amateur radio community prefers informal and personal exchanges while maintaining due respect toward our peers. Thus we use our first or "given" names, and when not yet introduced, refer to each other as OM or YL. While "pet" names are cute and harmless, they offer an opportunity for anonymity, and a tool for hiding ones true identity. To the majority, this seems trivial. But when "aliasing" becomes widespread, the rogues among our ranks are on safe ground, and can easily hide in the crowd changing their monikers randomly, instantly, and at every whim. Is this carry over from CB healthy for the welfare of amateur radio? Is the parallel as apparent to you as it is to me?

I haven't witnessed this personally, but I find it quite disturbing that "Smoky" reports have been announced on DFMA's own repeaters during recent rush hours. This is not only inappropriate; it is also illegal. On a Raleigh repeater, I overheard a Fayetteville ham visiting in the area request an autopatch to a local friend instructing him to make a phone call to a service business on his behalf. He went on to say that his intent was to avoid having to pay for the call at a phone booth. This is expressly prohibited in part 97 of the FCC rules, yet such actions, if permitted to continue unchallenged will soon become widespread. After all... wouldn't we all like to make free phone calls all the time?

When the "right" class of folks not too uncommon in the trucking industry become aware of which clubs offer the most attempts at passing the No-code tests, the 50 plus mile coverage radius of virtually every 2 meter or 70 centimeter repeater, the proliferation of repeaters in nearly every location in the US... will they be interested? When they discover that on FM the most power DOES command the channel, hear how many channels are available, learn of how economical the radio equipment is, and find the environment to be much like his/her old familiar CB...

complete with colorful nicknames and frequent updates on where the "Bears" are camping... will this sound useful to them? I'm not picking on truck drivers here, but rather acknowledging that their profession has a demonstrated history of high interest in such utilities. Once again... such behavior doesn't necessarily begin maliciously.

As I said at the onset... CB "was" beneficial, economical, and fun. It is no more. It evolved to its current condition without malicious planning, or ill intent. It simply became a snug harbor for the unscrupulous who found safe refuge among the noise and haste. If you "earned" your privileges, you likely see the threat looming on the horizon, and are doing your part to secure the destiny of our hobby. If you are among the group who paid a lesser price... perhaps you can be earn "your" right of passage as you grow. Seek to observe protocol, and neither condone nor engage malicious abusers of our spectrum. Strive to preserve the quality, and longevity of your privileges, and you will have paid your way.

72 de N3G0

//// / * / / / //// //// * //// //// / * //// //// ////

Only I am capable of offering such absurdities, and must assume all credit for my opinions and suggestions. They are mine and mine alone. My employer will graciously disavow any knowledge of my existence and laugh heartily at the mere suggestion of such a preposterous notion.

//// / * / / / //// //// * //// //// / * //// //// ////

Regards;

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From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [1183] Cheap power transistors

Message-ID: <199607172319.RAA07565@zia.aoc.nrao.edu>

There have been some recent inquiries into where to get power transistors suitable for QRP rigs. There's a nice source that bears worth repeating ...

USED CB RADIOS!

Go to your local, friendly, neighborhood flea market many communities have on Saturdays. It is not unusual to find old CB radios for \$5-20. Especially real old ones, like the old 23-channel units ... nobody wants those things and you can usually talk the guy down to \$5-10 each. The excuse I use is I only need the microphone connector to replace mine. Works almost everytime. Sometimes you will find damaged 40-channel CB's for real bargain prices ... the channel switch knob broken or missing, etc. Again, often obtainable for very little money.

The power transistors in CB's are ideal for full 5W QRP rigs. They are all rated at that or more. The SSB CB's are rated at 10W SSB. The MRF-476 power transistors used in the MFJ rigs, etc. were designed specifically for CB's and you will find them or very close equivalent in about any CB you can find. And since they are in CB/11M/20MHz radios, they are guaranteed to work on any ham band from 10M on down.

A good old 23-channel CB will give you (for \$5-10)

- * A neat, hefty power transistor
- * A few toroidal cores
- * A neat S-/power meter.
- * Couple of nice pots (squellch and audio gain)
- * SO-239 RF connector
- * 10.7MHz and 455KHz IF cans, crystal filters, ceramic filters, etc.
- * Gobs of crystals (before the synthesized rigs)
- * A dozen and a half NPN transistors, most for RF service
- * Sometimes a neat audio amplifier IC, rated for 1-7W output
- * A really cool 23-position rotary switch!
(some 40-chan CB's use a neat digital rotary encoder)
- * Several trimmer pots and trimmer caps
- * Some nice "front-end" filter components to reject FM and TV.
- * Knobs, switch or two, some metal parts, brackets and hookup wire.

Above junk has just gotta be worth \$5-10.

PS - If you have a TV/VCR repair shop in your neighborhood, ask them

for old CB's. If they get them, they will seldom fix them anymore and thus have them laying around as junk.

GL, Paul NA5N

Or ... look at it this way. You get an old CB for a few bucks. It will take two weekends taking the thing apart, cutting out the diodes and playing around with it. What other form of entertainment will last two weekends and only cost you \$5. Been to a movie lately?

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [1170] Cost of being online from DX
Message-ID: <Pine.3.89.9607171420.C5296-0100000@w3eax.umd.edu>

Just another quick look at why North America is a nice place to be.

We take a look at what goes on here in the US. Make a local call, stay on for 6 hours, it's still just a local call. 9 or 10 cents. I get unlimited local calls at my home for \$18/month.

When Mike, DL7HEM, was here, he was delighted to do just this. He telnetted to his home domain back in Germany, at a major University - FIVE people were logged on! In the EVENING!

Why so few? In Germany (don't know about the rest of Europe) you pay, on LOCAL calls, a PER 90-second CHARGE! Using the telephone is expensive!

Remember this when posting - try to quote as little as possible, preferably none, of articles your're replying to, as digests get much bigger when articles are "quoted." The bigger it is, the longer it takes.

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
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From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Marty Rosenzweig <marty@mht.com>
Subject: [1145] Curtis 8044
Message-ID: <31ED1719.2C59@mht.com>

I need to replace a dead Curtis 8044 keyer chip. The 8044, 8044B, 8044M,

and 8044BM would all be "plug and play" but, unfortunately, the 8044ABM will not drop into the socket without major modifications to the board.

Soooo... if anyone just happens to have one of the four direct replacements, I would prefer to get one from the list as opposed to checking with Mouser (they do show it available in the current catalog).

Thanks,
Marty, W00Q

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [1177] Dayton Crowd
Message-ID: <1.5.4.16.19960717161744.37874b46@206.158.2.1>

Someone posted a message to the list recently saying that Dayton attendance was *way* down this year. I was there and attributed the smaller crowds inside to the great weather which kept lots of folks out in the flea market. According to the August issue of QST the official count was 30,368, down 6% from last year. Not really that bad considering the date change.

72/3 de Allen, K9DZE
ajones@adsnet.com

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [1125] didididahdit (fwd)
Message-ID: <Pine.3.89.9607170714.C3881-0100000@w3eax.umd.edu>

I was listening to a ragchew on 30m last night and these guys sent the didididadit (...-.) sign VERY frequently in mid-speech. I also suspect it to be a space filler.

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
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The explanations that have been given here are interesting. I never knew there were places and services in the world that used the symbol. I remember about 40 years ago asking an OT what the symbol meant and

he explained it meant that the op who was transmitting had a key in his hand and nothing on his mind. From practical observation, I've rarely ever heard anything that contradicted that explanation.

dit dididit dit (how's that for operating procedure?)

Frank Emens, Huntsville Alabama "femens@iquest.com"
"Things are more like they are now than they have ever been before."

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Ed Manuel" <n5em-qrp@msn.com>
Subject: [1173] Email Address Change
Message-ID: <UPMAIL06.199607172009420809@msn.com>

For those who might have put my email address in a directory, please make note of the following change.

Delete n5em@aol.com

Use n5em-qrp@msn.com

Thanks,
72/73
Ed

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Russ1031@aol.com
Subject: [1148] First Reminder for the August Spartan Sprint
Message-ID: <960717124150_578720978@emout08.mail.aol.com>

This is the first reminder for the August Spartan Sprint.

Our standard date for Spartan Sprints is the first Monday of each month. Some of you have commitments on Mondays, so to give you a chance to participate, we're going to run the August Sprints on a non-standard day. It will be Wednesday, August 14. PLEASE MARK YOUR CALENDARS.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, antenna

tuner and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and QSOs per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of Qs per pound.

ARS provides handsome certificates to the operators who achieve the top four scores in the Qs per pound category. Because he's an essentially worthless person, the contest manager is ineligible.

You can get a full explanation the Spartan Sprints from our web site, <http://members.aol.com/adradio/index.html>. Or if you'd rather get the material by e-mail, just drop a note to me, Russ Carpenter, AA7QU, at Russ1031@aol.com and I'd be glad to e-mail a copy. The following synopsis, however, will give you all you need to participate.

Here is the plan for August 14:

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT.
Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.
2. Use 7040 +- Mhz and 14,060 +- Mhz (You may operate one or two bands--your choice).
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. If you are operating under the portable QRP rules, add "/PQ" to your call. (You can find those rules at our web site, <http://members.aol.com/adradio/index.html>)
6. You can take credit for working the same station on a second band.

After the contest, send me e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, antenna tuner, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to me by Friday night, I'll include your data in the contest results, which I'll publish on Monday, August 19 on the ARS web site and the QRP-L.

See you on the 14th!

72, Russ, AA7QU, Contest Manager and general purpose gofer.

Russ1031@aol.com

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [1198] FS:QRP RIGS
Message-ID: <199607180325.VAA06366@host1.rapidcity.com>

I just ordered a Sierra, I now have the radio I want! Hmm that could & probably will change. Is a ham ever happy? Now to the point! I have 2 rigs I would like to part with. They are:

Wilderness Radio NC40A, How about \$80.00
TJ Backpacker II for 30m, How about \$50.00

I will pay shipping on them. E-mail if interested.

Jerry

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [1160] Hello!
Message-ID: <960717184314_75230.1405_HHB79-1@CompuServe.COM>

Hi, Tak--

Enjoyed reading your post to QRP-L regarding your QRP activities and etc.

You said that you've built an OHR-400 but haven't aligned it because you don't have a scope-- well, don't let that stop you. I had neither a scope nor a frequency counter, but managed to align mine using a DVM, a general coverage receiver, and my "big" transceiver. Since then I have obtained a frequency counter and found that all of the adjustments were very close. A scope may let me peak the coils a bit better but it works fine as is.

73
Marshall
AA0XI

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Dan Goodwin <dgoodwin@world.std.com>
Subject: [1117] HW-16
Message-ID: <Pine.SGI.3.93.960717064948.22888A-100000@world.std.com>

Hi All,

One of the guys at work just gave me a Heath HW-16. Does anyone know what the power output is?

73, Dan

Dan Goodwin KD1XN
dgoodwin@world.std.com
Voice: (508)659-2691
Fax: (508)686-7262

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: WJ4PRandy@aol.com
Subject: [1127] HW-7 mods: part 2
Message-ID: <960717090704_158028459@emout16.mail.aol.com>

The bandpass amp is now working. Used an LM3900 and optimized the component values for 700Hz. There's plenty of gain in this area too. The filter's not extremely narrow, but really has a nice peak. I used it to listen around the band and I think I can live with it active all the time.

Note: At about 12am some of the flying connections on the breadboard decided to have a mid-air collision. Lots of smoke and sparks and a few burned lands...
...time to go to bed!

Re: NE602 mod: You really need to use an RF control with this part and since I have no more room for another control on the front panel, I figure the present AF control would work just fine for that and I will put an AF control on the back panel. (The way I operate, after I set the AF I use the RF gain to control the audio level.)

Re: microphonics: the biggest offender is the preselector variable cap. I modified the mounting a long time ago to use a small vernier dial and subsequently the microphonics were reduced considerably. The vernier "died" from some rough storage so I removed it and put the preselector cap back as "stock". This is when I noticed an increase in microphonics and this has me looking for a way to use some rubber grommets (or something) to reduce cabinet vibrations from being transferred to the pres. cap.

I'm aware of a good bit of interest in these mods. Thanks for the encouragement folks! I will post my progress and eventually post the entire mod technical details for all. Probably see about adding them to g3ycc's web page... An out of town trip is going to keep me from doing any more for a little while. More later...
73, Randy WJ4P

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [1137] JUNO internet service provider
Message-ID: <96Jul17.103324-0400edt.65558-18193+138@hooch.CC.Lehigh.EDU>

Gang,

Beware...you get what you pay for I guess. It appears JUNO will bounce your e-mail if it exceeds 61440 bytes. Sometimes the QRP-L digests exceed that limit:

----- Transcript of session follows -----
552 rbm@x5.boston.juno.com.JUNO... Message is too large; 61440 bytes max
554 rbm@x5.boston.juno.com.JUNO... Service unavailable

73
Jim N3VXI

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Andrew I. Combs" <jbm-dal@computek.net>
Subject: [1178] Kenwood 79A Wide Band Modification
Message-ID: <31ED75C1.7D1D@computek.net>

I found a Modification Guide written by Clayton Wagar, KD4IDN dated

8/21/94.

I am particularly interested in a Wide Band mod provided by Cole Cunningham (AA7RD). More specifically, this mod involves removal of diodes D304 and D307. My natural concern is have there been any negative impacts associated with this mod (assuming of course that the individual performing the mod is capable)?

In that this mod is two years old, has anyone recieved any feedback or become aware of any other mods (especially a keyboard mod that requires no physical alteration)?

I fully understand the responsibilities that come with having a radio that operates outside the amateur bands. All concerned parties can rest assure that I would not do anything that would jeopardize my or other hams priviledges associated with use of the airways.

Lastly, if anyone can make suggestions of a particular party that can perform this mod competently, I would certainly appreciate it. I already have a few in mind in the Dallas, Texas area but would like to find someone who has already had some experience.

I would appreciate any comments, suggestions or otherwise on this. I can be e-mailed at "jbm-dal@compu tek.net" , faxed at 214-380-6735, or voice at 214-343-9191.

Thank you for your time,

Andrew I. Combs, W5VJW

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: wq8q@juno.com
Subject: [1123] Kenwood Whining, QRP, etc
Message-ID: <19960717.082142.7271.3.wq8q@juno.com>

IMHO, the only manufacturer in any position to engineer and produce QRP radios and accessories, kits or built, would be Ten-Tec . . . as they already have the engineering capabilities and the "thought process" in place . . .

QRP seems to be the growing trend in HR, and while we could try all day to analyze why, (no TVI, restrictive covenenants on housing, etc) the bottom line is that QRPers have fun . . . which is what this whole thing

is supposed to be about anyway . . .

I'd tried QRP several years ago (with an HW-7) in an apartment with an indoor slinky antenna and only made a couple contacts and quickly lost interest . . . now my interest in QRP has been revived by this list, of all things, and I discovered the list because it was mentioned in QST! Subscribing to the list got the ol' juices flowing and caused me to buy a transceiver kit and also to crank my Yaesu FT-840 down to 5 watts and get in on the fun (kit still in building stage . . . had to share my workbench with a piano action to rebuild . . . so the kit got pushed aside)

And maybe what Kenwood is forgetting, is that at the bottom of the sunspot cycle, it would be hard to sell expensive HF rigs . . . and not trying to get into any "who's best" controversy (we really don't need to hash that out) most everyone I know who has bought new HF (QRO) rigs recently has been buying Icom and Yaesu, and those two companies seem to be on the cutting edge of HF technology. So maybe it is time for Kenwood to concentrate on making mixers (the cake batter kind) and hi-fi equipment . . . maybe there's just not room enough for them in HF any longer . . .

Try to convince a no-coder to upgrade so he can operate on the HF bands when most of the time the bands are so dead it's a real challenge to pull something out . . . makes it hard to demonstrate why HF is so much fun . . . I predict that when the sunspots open us up again, there will be at least a small rush of techs willing to upgrade . . . in the meantime we wait and herald the wonders of QRP

I don't know how Ten-Tec is doing financially, but they obviously saw the handwriting on the wall a couple years ago and shifted gears into other aspects of HF . . . now if they'll just shift a little more towards QRP . . . maybe with some nice kits. . . are you listening Ten Tec?

And the final thought, and this may be an indicator of things to come: At Dayton this year, Alinco's free baseball caps were much better quality than Yaesu's!

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [1112] KenWood's Whining and Truck stop sales, etc.
Message-ID: <31EC6907.38A6@ix.netcom.com>

Bob Kmak wrote:

>
> >Attendance at Dayton was waaaaay down this year, and Kenwood didn't
> >contribute any prizes . . .
> > Rick,
> > Kenwood is rumored to be losing money. According to a letter that was
> posted to the cq-contest mailing list, they are about to begin selling ham
> rigs in truck stops and CB stores. All because of a perceived "decline" in
> ham radio.
> > I don't quite understand this. When I "retired" from ham radio in 1985,
> there were something like 500,000 hams in the US, probably less. Now there
> are almost 700,000 , and Kenwood (and others) are complaining about a
> decline in ham radio.
> > Maybe they're seeing something I'm not.-----SNIP-----
> Bob Kmak KC5RAS bkmak@airmail.net

If anyone listened to this past week's Ham Radio and More show with that ever present CW enthusiast, Len Winkler-KB7LPW, he had a guest that theorized Radio Shack is getting all the no-code tech business. Then, lots of 'em never upgrade.

The new hams find Radio Shack is everywhere, and their prices are reasonable even if their gear doesn't have every gimmick that KenYaesIcom can dream up - that's one reason why the gear IS reasonable. And Radio Shack stands behind their gear better than the afore-mentioned rice box manufacturers, extended warranty plans, decent return and service policies, etc.

I agree with Bob, there is growth in the hobby. Just what does Kenwood expect? They have already helped to drive out lots of other competitors. Witness the fewer numbers of ham gear companies compared to the past. If Kenwood doesn't like the market, then maybe they should look elsewhere for business or spend some advertising dollars to promote ham radio, instead of creating rumors of doom for the hobby.

This whining about everything in this country is really starting to depress me.

Hey KenWood! Build some QRP kits that some of us can afford! How about some microwave gear or satellite equipment? And I don't mean thousands of \$\$\$\$\$, either.

Ah, I remember the '60s and '70s.... Drake, Swan, Galaxy, Heath....

Just my opinion guys, what do you think?

72/73-- Gary, AB7MY QRP-L #571 Chandler, AZ

(near Phoenix) Hamming since 1968.

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [1158] KenWood's Whining.....
Message-ID: <31ED2F92.6974@amsat.org>

I have nothing against Kenwood (I have 3) but look at the latest gear.

The TS-50 and TS-60 are abit overpriced when you compare them to the
Alinco DX-70 and Icom 706.

The TS-60 alone is way overpriced for a single band radio, you can get
the Alinco with 6m (although not the 100w)for less, or the Icom with 2m
to boot for abit more.

Kenwood (imho) needs to have a "trump" card, something that will do
for amateur radio what the alinco and the icom have been doing.

As a matter of fact, I am looking at both of those rigs, unless something
better comes along.

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [1134] Keys, Paddles, Keyboards and Arthritis
Message-ID: <19960717.100431.11207.3.wb2vuo@juno.com>

Hi. Keith here in the Depths of the Great Bergen Swamp...

Over the years, I have run with primarily a straight key for CW, but with
my arthritis getting to be more than just an annoyance, I might need to
change my operating habits...

Of those out there who also have the "privilege" of finding new, lumpy
knuckles, wrists, elbows, etc... What are you using on CW? I bought a
Kantronics KAM for the CW sending, keyboard-based (and a spare VHF
packet set-up...), but the CPU noise seemed to peak on 50 MHz, and wiped

out 6 Meters (and my cordless phone!). During Field Day, I ran part of the op with an MFJ keyboard (I liked it...), and have tried a couple of paddle/keyer combo's (What was your setup at Rochester, Brad? A kent paddle with your Atomic Keyer??)

Your opinions are appreciated, as I find my CW speed dropping with the pump handle, back into the 10 - 15 WPM range instead of the 25 WPM I am used to...

73, Keith, WB2VUO, QRP-L # 582

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: john andrews <jm165723@eee.org>
Subject: [1114] Major Problem.....
Message-ID: <31EC7ECF.12D8@eee.org>

My Old Buddy, Jimmy has over 1/2 ton of ham magazines he wants to give me.

My place is tiny. It's why I'm killing my junk-box.

He's gonna put'em in the Dumpster if I don't get them.

My thoughts on these fine works of art is such that it kills me to say no. I would love to see them go to a good home but can't spend any money to ship them anywhere. Any ideas?

72, John-N5INZ

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Rod Logsdon <rlogsdon@ix.netcom.com>
Subject: [1199] MFJ-9020 For Sale
Message-ID: <1.5.4.32.19960718032834.00686604@popd.netcruiser>

MFJ-9020, 20 mtr. CW/QRP xcvr w/MFJ-4112 Power Pack.
Tunes 14.000 to 14.075 MHz. Power pack operates from AC
or uses 8 "D" cells. All manuals and original boxes. Very good
condition, no dents or scratches, non-smoker.

\$150.00 for both, u ship. Will not separate.

Rod Logsdon WK9T

708-293-0763 Evenings after 7 PM CDT.

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Cecil McRae <"cephse2@worldnet.att.net"@worldnet.att.net>
Subject: [1194] Mis-directed mail.....
Message-ID: <199607180100.BAA12753@mailhost.worldnet.att.net>

I have just heard from my mail server (AT&T) that email is mis-directed at the moment.....I received the following email, and seeing as it's addressed to you, thought I would copy and paste it and pass it on!!! I hope this reaches you this time (I also passed this back to wb1edi@scoot.netis.com)
Phyllis McRae

Subject:
boy scout trip
Date:
Wed, 17 Jul 96 16:23:19 +0000
From:
BWHITTEM@mailgw.sanders.lockheed.com
To:
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

i will be on a trip with bsa troop 135 from manchester,nh from july 27 till aug 7. ill be bringing my swl 30 with me and a dipole ill be running with 8 a cells. ill be in nh white mountains for the first few days and then will be in the wilderness of maine for 4 days. i will be bringing my 2m handie along also but not sure how usefull it will be. i dont plan on being real active but if you hear me give me a shout. please reply to wb1edi@scoot.netis.com
73/72 de wb1edi
barry

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [1113] More KenWood bashing, Rat Shack, upgrading, etc. (Kinda Long, but read it anyway)
Message-ID: <31EC7185.206E@ix.netcom.com>

> Monte Stark wrote:
> ----SNIP----

>
> I remember that when I got licensed in 1953 there was something
> like 50,000 hams in the USA.
> I fully expect to see ham radio and CB radio merge one of these
> days!
> Just let me die with my boots on and my fingers on my key..... :-)
> 73, Ron,
>KU7Y....

Amen, Ron

Didn't I hear that last month, or maybe it was the month-before-last,
had the greatest number of new hams licensed yet?

Did anyone else hear this?

KenWood is just losing business and it's killing them that
Rat Shack is the one picking it up.

Did'ya see their 2m 30w amp is on sale now for \$79.95, regular
price \$119.95? Really kill pagers and IMD noise on your HT.
I got a R/S DSP yesterday for \$29.95 -- still trying it out.
Nice add on for a QRP rig with no speaker or only headphone level
output. 4" speaker and 5 watt amp that is sooo quiet, I can
barely hear it's on with the AF gain full up and my ear on the case!

Hey, here's an idea! What if we start bring QRP rigs to the VE
exams to encourage no-coders to upgrade and learn to build stuff.
Maybe some kind of show and tell then, right after they are "high"
from passing their exam, would leave an impression on them to
continue to upgrade.

'Course, it might even get the ones that failed to persevere.

Hell, my wife just got her no-code a year ago at Ft. Tuthill's
hamfest, and THAT prompted me to go after the Extra after being
an Advanced for over 15 years. Piece of cake! Only studied about
a month. She only studied about that long too!

Now, if I can just get her to learn CW.....
I might even have to buy more ham gear <grin> ;-)

Come on gang, upgrade! It's not that hard. Just takes committment
and a little time each day. I used free CW software and exams
off of the ARRL site.

Hey! Who is calling CQ DX on 30m? Is that a KH3?

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Cosmo224@aol.com
Subject: [1186] Pricey Ham Gear vs Home Brew
Message-ID: <960717194303_239988227@emout14.mail.aol.com>

Howdy All

Ok, my \$.02 into the fray...

This is all kind of sign of the times as was rehashed before with some of the earlier Yaecomwood postings. The one thing I have noticed was the shift of ham radio from a technology driven hobby to a consumer driven hobby. Most radio manufacturers bring out the new toys every year with a few extra bells and whistles to make sales. Its bottom line all the way. Sure, the dsp features are nice but in the end, its still ssb/cw with a bit of prestige thrown in.

I dont have the \$2 grand to toss at a new rig (if I did, Id cut a check for a new

Ten Tec Omni VI...), but I do have the cash to buy a QRP kit or the parts at a ham fest to build something. The tough economy, et. all..., might be good for

the hobby as this will bring back the inexpensive kit building, building from scratch, and rejuvenating of boatanchors, etc...

There is still a need for commercial gear, but put it in a price that all can afford.

Plus, you dont need a bunch of bells and whistles on your HT's that will probably never get used. Just introduce good BASIC radios at an affordable price.

This includes vhf/uhf all mode gear as well. The high prices for the new stuff is outrageous!

Bring back rigs like the TS700A and the IC202 which will put different modes in

the hands of hams without breaking the bank. Plus, the added advantage is a foundation for working satellites and a transverter driver for microwave.

Maybe this will be a knock upside the head to the staggering behemoths to bring back the simple and inexpensive stuff.

BTW, there are more radio manufacturers in the US than meets the eye...

Just flip through the pages of Jane's Military Communications. You would be amazed at all the different manufacturers. In a tightening defense economy, maybe

this might just be the thing for a company to start up a line of ham gear that

featured ALE, spread spectrum, manpack satellite stations, etc.. since the R&D is already done. Who knows, maybe even Collins will bring back their ham lineup.

Ok, off soap box...

73 de AA9IL
Mike Kana
For real QRP, try MICROWAVES!

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "G.F. (Gary) Sehne, Advanced Micro Devices" <Gary.Sehne@amd.com>
Subject: [1147] QRP/QRO attitudes
Message-ID: <9607171641.AA24701@nucleus.amd.com>

Recently we returned from a cruise on the SS Norway. On one occasion I wore my callsign T-shirt to the outdoor buffet breakfast. After only a few minutes another ham walked up & introduced himself. I asked him what part of amateur radio he enjoyed. He said he was a DX hunter. I told him I'm a QRP'er. Then he said:

"Well, you know what they say...Life's too short for QRP. My breakfast is getting cold" and promptly went back to his table. His loss. My gain. Regards, N2KTY(Gary in Austin)

(BTW-if you're on a cruise, try to see the radio shack. Most of the time, they're happy to see hams, infact, don't be surprised if the guy that runs the show there isn't a ham himself.)

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Bigbob97@aol.com
Subject: [1181] QRPp arrives!
Message-ID: <960717182553_363003488@emout16.mail.aol.com>

To all still waiting.

Have no fear, the postman commeth!

My June QRPp arrived 7/17/96 at zip code 07306 in Jersey City, NJ
I would give you my grid square but my 386 is just too slow for that WWW and
I'll have to wait until I upgrade.

BTW fb on the June issue guys, and thanks!

73,
Bob WB2DHK

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: WD6BOR@aol.com
Subject: [1182] RS DSP available
Message-ID: <960717183802_436416175@emout17.mail.aol.com>

Gang,

I've composed replies to a couple of postings asking for the Radio Shack
digital signal processor but saw that they had found one before I had a
chance to post to the list. I bought an extra when I got mine on closeout and
can send it to a good home for the cost of the unit and postage, which should
total about \$40.

Let me know.

Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Carpenter <kcarpent@astro.ocis.temple.edu>
Subject: [1118] Setting List to Digest Format
Message-ID: <Pine.BSD.3.91.960717072642.14276A-100000@astro.ocis.temple.edu>

I'm sorry to post tis type of question to the List. I've tried
following the examples shown in the HELP screen but the server doesn't
seem to recognise them.

Can anyone they me the syntax to set this List to DIGEST format?
Daily or Weekly would be fine.

thanks & 73's,

->Kevin Carpenter, CBET	PAMIA Secretary
Manager, Clinical Engineering	CESP Treasurer

Northeastern Hospital Phone: (215) 291-3347
Temple University Health System Fax: (215) 291-3346 (Weekdays)
2301 East Allegheny Ave Beeper: (215) 577-7023
Philadelphia, PA 19134 Email: Kcarpent@astro.ocis.temple.edu

Amateur Radio: N3XPX

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Charles Brown <maf00035@maf.mobile.al.us>
Subject: [1179] SN
Message-ID: <Pine.SOL.3.91.960717163216.24602B-100000@ns1>

SN ditditditdahdit

The ARRL HANDBOOK, edition 1994, page 19-2 Morse Code section of Ch. 19
down near the bottom right side, Table 1 Morse code character set

Understood: ditditditdahdit

de N4SO
Ken

=====

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Vernon A. Hatley" <mailhost.worldnet.att.net@worldnet.att.net>
Subject: [1130] Straight keys...
Message-ID: <199607171334.NAA04604@mailhost.worldnet.att.net>

Just bought a new Speed-X straight key by Nye Viking. Looks a
lot like a J-38 and feels about the same. You can get them in
several combinations; brass and black, chrome and black, with or
without shorting bars. I got mine in brass and black cuz it matches
my Kents paddles. ;-) Anyway, pretty nice keys and they are
available from any of the big radio outlets; AES, HR0, etc. Price
ranges around the \$27-\$34 mark. Hope this helps out. 72

--

Vernon A. Hatley KK5RO
Ten Tec Omni V OHR Explorer II (40m)
Butternut Vertical QRP-L #325

Kent Paddles

Speed-X Straight Key

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Charles Brown <maf00035@maf.mobile.al.us>
Subject: [1115] SWR
Message-ID: <Pine.SOL.3.91.960717051530.25458A@ns1>

>As for lack of room for an SWR meter within the rig, I have used a neat
>little circuit in several of my QRP rigs that drives two led's -- red one
>for reverse and green one for forward power. The circuit is pretty
simple (a
>toroidal transformer, dual op-amp and a few resistors, etc.) and
appeared in
>the (I believe) May 1995 QST (plus/minus one month... hi).

>72, Larry W1HUE/7

=====

This circuit is called "Build a Super-Simple SWR Indicator"
"Here's a simple HF SWR indicator that provides positive indication
of the matched-antenna condition down to very low power levels."

QST magazine June 1995, page 40 and 41. The circuit uses a parts count
of a little more than a dozen parts, and the QRP range goes down to very
low power levels.

Also check out the article on page 38 "Build the Stealth Antenna Tuning
Indicator" in the same issue.

You don't have the magazine? Send me a SASE:

C. Brown N4SO
12165 Miller Lane
Grand Bay, AL 36541
nnnn

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [1126] Thoughts for the Day
Message-ID: <199607171250.FAA07981@dfw-ix8.ix.netcom.com>

Greetings from the Capital City ,

Someone on the list made mention to our facet of the hobby having the greatest potential for growth. I couldn't agree more. With the rumored demise of 73, maybe it's time for a more commercialized version of QQ, QRPp, SPRAT, etc. Also, maybe it's a good idea to centralize or pool all of the QRP community's resources into one really fantastic journal. With present computer/telecom technology, transporting information across vast distances is quite simple, so IMHO, it doesn't seem so far fetched to have a publication that might be produced by ARCI such as QQ, but integrated with input from the various groups such as G-QRP, NORCAL, NE-QRP, etc. OK, they already do this, in a way, but I must be a member of 36 different groups and clubs, and yes, get publications from each. Mass duplication!

I think, IMHO, it might be more cost effective for all of us to pay a higher fee to let's say ARCI, who could then be the focal point for all the groups and clubs. In return, they ARCI, could produce for lack of a better word, slick, magazine. Pause, I'VE JUST ATTACHED MYSELF IN ASBESTOS! Seriously, gang, if the major publications show little interest in QRP, why not do it ourselves? Imagine a magazine printed in color, plenty of technical articles, equipment reviews, info on contests, DX, classifieds & yes advertising, all in ONE magazine and ALL geared towards the low power enthusiast!

I think there are many more of us (QRPers) out there than we think. I know my idea is not totally original, nor is it a simple one, but IMHO, we could probably spend less and get more value with less duplication of information in ONE publication. I'M DONE!

Thanks for the bandwidth,
Craig, AA3MD

Craig Sterling (AA3MD) cjsterl@ix.netcom.com
AA3MD TMPS 1996 Qs=179 States=39 Confirmed=14 DX=35
MA ME NH RI VT NJ NY MD PA AL FL GA KY NC SC TN AR LA MS NM OK TX CA AZ
OR MT WY MI OH IL IN WI CO IA KS MN MO ND NE
EW VE1-3 LZ G XE 9A HA VP9 DJ OZ EA1 EA8 OK I GM C6 HB SP YT ZL CY0 OM
3B8 PJ2 CM F HC HB0 OA UT TI GU SM OH KP4

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [1193] T05A, VC2AWR ????
Message-ID: <199607180052.UAA32164@mh004.infi.net>

Gang,

Sorry for the bandwidth, but can anyone point me to the place I can find out where these hams are located? My ARRL book doesn't list them.

CUL,

Bob Kellogg, AE4IC

Prolably, but not nececelery. - Benny Hill

AE4IC TMPS 1996 QS=61 States=11 Confirmed=3 DX=42

AL,KS,MD,MI,NC,NH,NY,OH,PA,TN,TX

3B,9A,DL,EI,EK,F,G,GM,GU,HA,HB,LU,LZ,OK,ON,OH,P,SH,SN,SP,TI,TO,U,UA,UR,UT,VA
,VC,XE,YO,YS,YT

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: davemed@ix.netcom.com (David Medley)

Subject: [1111] Wayne et al

Message-ID: <199607170512.WAA16335@dfw-ix7.ix.netcom.com>

When I was first licensed in 1938 in Australia there were less than 2,000 licences issued in VK at that time. I believe the figure in the USA then was around 50,000. HOWEVER out of these figures every single one was active on both the HF and VHF bands. Today according to the FCC there are something like 800,000 licences current in the US. If even a small proportion of these were active on the bands consistently think of the QRM!! Sometimes it is even difficult to find anyone to talk to. Why is this? For a number of reasons such as:

1. Quite a few of the 800,000 are silent keys (deceased).
2. Another large number are inactive for reasons such as age, health, economics, loss of interest etc etc.
3. A very large proportion operate only on VHF due to the fact that their licences do not permit operation on the HF bands and the code requirement is a real barrier to upgrading.

The core of ham radio used to be experimentation and technical development. To see how little of this is done today consider that of the 800,000 only about 4,000 belong to AMSAT and are active in modern satellite communications. QRP is another area of experimentation. How many of the 800,000 know what QRP is or even care? Couple of hundred maybe??? How many are into digital communications? Couple of thousand perhaps???

So if you are a manufacturer you are looking at a pretty miserable market and I suspect the sales curve, particularly for HF equipment, over the last 10 years has a negative slope. Prices have increased in real terms and the average age of hams has also increased to the extent, I suspect, that a

goodly number of active hams are retirees living on a fixed income (I am one of those). Buying new ham equipment does not figure high in their budgets. The sale of good used equipment seems to be brisk as prices run a half to a third of new radios and performance is still good. I have noted a recent interest in the real quality stuff, particularly by Collins.

Somebody remarked that he could see in the future a merging of CB and Ham radio. This is an appalling thought but should be taken seriously. If you listen on the VHF repeaters in a big city you can see this happening already. The use of CB procedures and jargon as well as inappropriate language is common on VHF and is intruding into our HF bands. I heard a group the other night on 40 meters which made me ashamed to be a ham.

Kenwoods idea of selling ham equipment in truck stops and CB outlets does not turn me on much either as the only positive result could be more no code hams and more congestion on 2 meters. One infers that Kenwood will concentrate on the VHF part of the market and from a manufacturers point of view I guess thats where the growth is.

One of Wayne Green's big points has been the need for getting more young folk interested in Ham Radio and this is one of the few of his recent ramblings that I have agreed with but how to do it? I spent years trying to interest my own son but his attitude has always been "Whats the point. I can talk to anyone I want on the phone or more recently the Internet". He is in to computers professionally, has 5 young children and has little time (or money) for other hobbies. I wonder how many of the famous 800,000 are in this category?

I for one will be very sorry to see 73 go. In spite of the constant irritation from El Supremo the mag had some good construction articles and other interesting material. Perhaps someone will figure a way to keep it going without Green. Lets hope so.

One day I will build a QRP rig and join you guys. Keep up the good work.
73 de Dave KI6QE/7 aka VK2IMJ

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Floyd Soo, KF8AT" <hires@rust.net>
Subject: [1132] WB8ZJL portable demo on Wed. AM!
Message-ID: <31ED1B44.4F7E@rust.net>

Gang,

Just in case some of you may be available for a QSO, Paul-WB8ZJL, will be doing a ham radio demo outside in a park in Auburn Hills, MI. He will be operating from 10AM to 1PM EDT on WED, 17 July 1996. He will start on 40 metres near 7.258 (Midcars).

If anyone is around then look for him!

73,
Floyd, KF8AT

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [1168] What it is.
Message-ID: <809_9607171231@fido261.qis.net>

Monte Stark wrote in a message to All:

MS> From: Monte Stark <ku7y@sage.dri.edu>
MS> Subject: Re: What it is.
>

MS> Am I the only one that sends a comma after the city and before the
MS> state? With a keyer it's very easy to send.

MS> I also send a dash, (_...._), when needed and even use a period
MS> now and then.

MS> Have always wondered how many people understand the dash nowadays!

I'm one of the old fashioned folks too...but I 'was learned up' to send commas, dashes and some of the other 'ole time' signals.

It is funny...I was off the air for 25 years, and when I got back on it appeared there were two classes of cw ops...old fossils like myself that used things like dash, comma, tn timer, bcnu...and another group who didn't.

Even though I was off all that time...I made use of things like cul, bcnu in messages posted to FIDO...most folks ignored it, wondered what it was...but time and time again there were responses from fellow hams, either active or inactive...they were all very nice 'hellos'...and I do think it was because they recognized a 'brother' when they saw the cw short cuts.

I have a similar feeling about straight keys....sure, I have my brown brothers paddle, and a nice keyer with memory, etc....but now and again I hear someone

using a straight key...and I can 'hear' a distinctive fist....and my reaction is to slide the ole j38 a bit closer and call them...

25 years ago people told me I had a great fist...and I enjoyed not only the compliment, but also the fact that even though it was just some 'on and off' sounds...there were folks that could recognize my 'signature'.

Pretty sure no one would compliment my fist today...but that's my problem...just need to be less of an appliance operator...and it will come back.

bcnu

Thom LaCosta

K3HRN

thom@fido261.qis.net

Our Business is Business

--

|Fidonet: Thom LaCosta 1:261/1352

|Internet: thom.lacosta@fido261.qis.net

|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [1162] Re: Additional licensing effort for > 50W?

Message-ID: <Pine.SUN.3.90.960717114631.27425C-100000@vortex.sage.dri.edu>

On Wed, 17 Jul 1996, Scott Rosenfeld NF3I wrote:

> He reports that the German gov't is requiring
> additional certification (for environmental standards) for anyone, be it
> a person or a company, wishing to run greater than 10 watts of RF.

>

> This, he says, forces people into QRP. He's now a QRPer because he
> can't afford not to be.

>

Hmmmmmm, just what we need, more government control.....

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1165] RE: Additional licensing effort for > 50W?
Message-ID: <01I76KEV77Y0A8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 6:47 AM, Monte Stark[SMTP:ku7y@sage.dri.edu] wrote:

>On Wed, 17 Jul 1996, Scott Rosenfeld NF3I wrote:

>

><snip>

>HMMMMMM, just what we need, more government control.....

>

>cul,

>

>

>73, Ron,

Wouldn't want to accidentally fry that little birdie sitting in the neighbor's
tree
would we?

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1167] RE: Additional licensing effort for > 50W?
Message-ID: <01I76KWP5TGCA8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 6:47 AM, Monte Stark[SMTP:ku7y@sage.dri.edu] wrote:

>On Wed, 17 Jul 1996, Scott Rosenfeld NF3I wrote:

>

><snip>

>HMMMMMM, just what we need, more government control.....

>

>cul,

>

>

>73, Ron,

Wouldn't want to accidentally fry that little birdie sitting in the
neighbor's tree would we? Now the government wouldn't be
trying to protect people from themselves would it? After all

Amateur operators are supposed to know about safely using high power RF transmitters, right? We learn about that when we are studying for our theory, right? NOT! Not when we can just go buy the questions and answers. Who needs to study? Just memorize the stuff, who cares whether or not the poor sap understands it or not. What we really need are short-answer type questions that are graded by certified graders. I know that the government has resorted to multiple choice questions to ease grading and save money. Save Money? Thrifty and government are almost antonyms! Why save money when you can just raise taxes to make up for the shortfall? ;)

Whew! I feel much better now, thank you.

Kevin, WB5RUE

Help Wanted: Telepath. You know where to apply.

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jim Lowman <jmlowman@ix.netcom.com>
Subject: [1187] Re: Additional licensing effort for > 50W?
Message-ID: <199607172322.QAA08618@dfw-ix12.ix.netcom.com>

At 12:44 PM 7/17/96 +1030, you wrote:

>My friend Mike, DL7HEM/N3ODL, is currently in "Old Deutsch Land" -
>Hamburg, to be exact. He reports that the German gov't is requiring
>additional certification (for environmental standards) for anyone, be it
>a person or a company, wishing to run greater than 10 watts of RF.
>
>This, he says, forces people into QRP. He's now a QRPer because he
>can't afford not to be.

It would be interesting to hear what is the maximum power permitted in other countries (and if there's any enforcement).

I think someone recently said that 400w is the max for England.

72 de Jim - KF6CR

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jim Hydzik <congress@magpage.com>

Subject: [1120] Re: Alinco vs IC-706 and More ramblings
Message-ID: <199607171204.IAA05111@alaska.magpage.com>

Hi Curt,

> Let me ask you one question, do you LIKE the dx70t. I read the
>qst review and have mixed feelings about it know?? tn timer Ka3ivb Curt

Yes! I do like it, and especially for QRP portable work. Please remember MY focus which was/is HF QRP operation in a low noise environment and the fact that I was willing to spend \$900 for either rig. If there were less funds available, we'd be talking about QRP+, Scout, Sierra, etc.

-----Since I don't know your focus, let me ramble a little-----
I'd still take the Drake R-4B/C, R-820, FR-101 receivers or the FT-101ZD over the Icom or Alinco in the house for Serious receiving of very weak signals, but in the area of portability, QTF, multi-station Field Day type work, I would take the Alinco. For mobile work or high noise environments, go for the Icom because of its Noise Blanker.

The QRP rig we all want is not available. The Icom 781 receiver built into an Index-sized box. I do believe that we will eventually see synthesizers with spurious and noise output equal to that of a typical high quality VFO, but right now the VCO chain in the IC-781 is the closest thing and that's because of all the multisection filtering they incorporate. I had an IC-9000 RX for a year and the IC-781 is a much better QRP-ham RX.

Sorry for the rambling, but the point is that the Alinco is good for what it is, and hopefully it can do what you need. It's quite possible that neither of the rigs is going to give the performance you want or need. Tough choice....gud luck and try them before you buy. If you live close to Wilmington, DE, you're most welcome to listen to mine and compare it.
72, Jim K3QIO (rem, MY focus was HF, not 100 wts on 6 M, and I live in a very, very quiet location....I can hear the sunrise with the Quad.

PS. There's nothing wrong with the QRP+/Scout/Siereea, etc, it's just a matter of what you need/want and how much money one is willing to part with. FWIW, I can copy N6MM on 30 M just as well with AA2PF's old MFJ-9030 (slightly mod'd) as I can with the Alinco. If RX current drain is a factor...neither the IC or Alinco is in the running. :)

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [1122] Re: Basing for 2SC2075
Message-ID: <960717081959.2061e6a2@carib.vf.mmc.com>

Gang,

Well you guys are interested in homebrewing! Since my query for basing info on the 2SC2075, I've had several requests asking what the 2SC2075 replaces! Well I ordered the MRF476 from Danny's Small Parts and he sent the '2075 as a substitute. No time to check it yet in a circuit, but it's an NPN RF power transistor. Motorola's part is rated at 3 watts out for 0.1 in at 30 MHz. Sounds like a CB output device.

Aside to Paul, NA5N - How about some Japanese and maybe some european parts in your next data book - and maybe some cross-reference info.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [1143] Re: Basing for 2SC2075
Message-ID: <31ecf656.pandora@pandora.lugs.org.sg>

On Wed, 17 Jul 1996 8:19:59 -0400 (EDT), JEVERHART@cayman.vf.mmc.com wrote:

> Gang,

>

> Well you guys are interested in homebrewing! Since my query for basing info
> on the 2SC2075, I've had several requests asking what the 2SC2075 replaces!
> Well I ordered the MRF476 from Danny's Small Parts and he sent the '2075 as
> a substitute. No time to check it yet in a circuit, but it's an NPN RF
> power transistor. Motorola's part is rated at 3 watts out for 0.1 in at 30
> MHz. Sounds like a CB output device.

Bad choice! The 2075 replaces the MRF475. If you want an effective replacement for the MRF476, use the 2SC1678. The 2SC2075 has insufficient gain to properly replace the MRF476. I know, I've tried them out and the 1678 works the best (better than the original!). There are some other substitutes for the 476 but I have not got my hands on them to try them out.

> Aside to Paul, NA5N - How about some Japanese and maybe some european parts
> in your next data book - and maybe some cross-reference info.

I have these little substitution booklets that give some basic info and lots of substitution info. Then I went to buy a D.A.T.A. book which is thicker than the callbook but contains device data for practically every known transistor in production.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: bfollett@ditell.com
Subject: [1188] Re: Battery Info
Message-ID: <199607180006.SAA03935@orion.ditell.com>

Kevin & Gang:

Until recently, you could buy 650ma regular NiCads or 850ma Hi capacity Nicads. They also, of course, come in a Hi Charge/Rapid discharge models in many sizes -- for the RC'ers among us, they are very common.

In looking for a good solution to the ARS Spartan Sprint, I spotted a NEW AA size Sanyo from Yost & Co, Hi Cap rated at 1000ma. This is almost as good as a NiMH which is 1200ma in AA size, and only costs \$3 ea. with or without solder tabs.

To answer Kevin's question, sure, you can run a power-sipper radio like a 40A or Sierra for quite a while on a 1000ma capacity supply. I could even run my QRP+ for a short while...A IC706? naaaah.

For a good compromise, I am using 12 cells, not 10. Why? to keep my rigs above 12V (Because some -may- chirp below that value) at the lowest input voltage point when the batts. are discharged as far as a safe value allows---approximatly, of course, so no nit-picking from the gang please. Of course this produces an initial charge level that can exceed some rig designer's specs, so do change your protection zener diode in rigs that have them up to 43V per Wayne's instructions.

So, by all means, use those AA's for our 2 watt and under rigs. In terms of weight/ma rating, Lead Acid is the worst, then NiCads, NiMH, Lithium, and Lithium Ion. Alkaline and ReNewals have excellent power/weight ratios, but save them for low millamp applications.

In summary, if cost is no object, buy Lithium one-use, or Lithium Ion rechargables. I think the new 1000ma AA NiCd's are a cost effective solution.

73, Bob (With my 21b Spartan package looking for contacts on August 14th)

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10, ARS

2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett.ditell.com

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [1166] Re: boy scout trip
Message-ID: <31ED3B96.465@bnl.gov>

Barry,

I will also be on the trail during the week of July 28 - Aug 3. I'll be on a High Adventure trek in Pa. It's low impact and you have to carry everything in on our backs so light is the word. I was going to build a Pixie2 for 40 meters originally but I think I'll be taking my SW-30 and 6ah gel. Hope to work you Barry, but will be out there just the same for any TMPS contacts :) I'm sure I'll be bust during the days but hope to relax to some CW in the evenings. I don't know if I'll be able to write anything down, but I'll at least try to keep a list of the callsigns I work during that time period. Have to conserve battery power for transmitting rather than lights to see by :)

Look for KF2PH/3 QRP and I'll keep an ear open for WB1EDI as well.

72
Nick
--

Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov http://www.rhichome.bnl.gov/People/franco

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Cecil McRae <"cephse2@worldnet.att.net"@worldnet.att.net>
Subject: [1172] Re: boy scout trip
Message-ID: <199607172000.UAA11053@mailhost.worldnet.att.net>

I don't know how it happened, but I received the following
email.....Have a great trip!!!
Phyllis McRae

WHITTEM@mailgw.sanders.lockheed.com wrote:

>
> i will be on a trip with bsa troop 135 from manchester,nh

> from july 27 till aug 7. ill be bringing my swl 30 with me
> and a dipole ill be running with 8 a cells. ill be in nh
> white mountains for the first few days and then will be in
> the wilderness of maine for 4 days. i will be bringing my 2m
> handie along also but not sure how usefull it will be. i
> dont plan on being real active but if you hear me give me a
> shout. please reply to wb1edi@scoot.netis.com
> 73/72 de wb1edi
> barry

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1139] RE: Censored - (Long and perhaps offensive)
Message-ID: <01I76BPZNXIA8CFU@ARWEN.UTHSCSA.EDU>

Excellent work!

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [1189] Re: Cheap power transistors
Message-ID: <Roam.3.0.837648246.13233.myers@bigboy>

Paul Harden wrote:

[text deleted discussing salvage of CB radios]

>
> Or ... look at it this way. You get an old CB for a few bucks. It
> will take two weekends taking the thing apart, cutting out the diodes
> and playing around with it. What other form of entertainment will
> last two weekends and only cost you \$5. Been to a movie lately?

I bought a very clean Motorola Pulsar II IMTS telephone at the TRW swap meet once for \$5. It just seemed like a good deal. I had a blast figuring out how it was configured without consulting the manual (I still haven't ordered one) and even managed to get it transmitting without any accessories (i.e., handset).

The PA strip in the radio looks like it takes +10dBm or so and produces over +47dBm of RF at 150MHz - complete with a healthy (continuous duty) heat sink. The radio is a full duplex design on a 5MHz split, which

uses a duplexor in a single casting - too bad it isn't sharp enough for a 600KHz split ;-). I reverse engineered the early 1970s vintage PLL synthesizer by inspecting the multiple PC boards - what a kick.

The VCO module is this large casting with several boards and a power splitter inside.... again, neat stuff, I might even be able to use it in something. The PA alone was easily worth \$5 to a homebrewer.

I know this isn't really QRP related, please forgive me this time ;-)

Dana KK6JQ
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: john andrews <jm165723@eee.org>
Subject: [1195] Re: Cheap power transistors
Message-ID: <31EDA042.5988@eee.org>

john andrews wrote:

>
> Paul Harden wrote:
> >
> > There have been some recent inquiries into where to get power
> > transistors suitable for QRP rigs. There's a nice source that
> > bears worth repeating ...
> >
> > USED CB RADIOS! Great post, Paul.
>
> I hear lots of complaints of "drifting" VFO's. One great scheme is
> to chase down those old CB's and use the crystals in a crystal-
> hetrodyne circuit.
>
> A quick look at W1FB's QRP Notebook shows such an idea. Note
> the frequency of the crystal in the example shown on page 47.
> 12.3 Megs. 12.240(as well as others) is almost a standard.
>
> If you can find a few that are close to each other you can have
> a nice VFO with a huge band-width and rock steady T-9 signals
> with a small switch to put a few more into the circuit.
>
> Again thanks, Paul. Would like to hear from others about ways
> to use CB's as well as yours.
>
> 72, John-N5INZ

>
> Paul Harden wrote:
> >
> > There have been some recent inquiries into where to get power
> > transistors suitable for QRP rigs. There's a nice source that
> > bears worth repeating ...
> >
> > USED CB RADIOS! Great post, Paul.
>
> I hear lots of complaints of "drifting" VFO's. One great scheme is
> to chase down those old CB's and use the crystals in a crystal-
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> the frequency of the crystal in the example shown on page 47.
> 12.3 Megs. 12.240(as well as others) is almost a standard.
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> If you can find a few that are close to each other you can have
> a nice VFO with a huge band-width and rock steady T-9 signals
> with a small switch to put a few more into the circuit.
>
> Again thanks, Paul. Would like to hear from others about ways
> to use CB's as well as yours.
>
> 72, John-N5INZ

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [1155] Re: didididahdit (fwd)
Message-ID: <Pine.OSF.3.91.960717140410.31133C-1000000@saturn.acs.oakland.edu>

On Wed, 17 Jul 1996, Scott Rosenfeld NF3I wrote:

> dit dididit dit (how's that for operating procedure?)

No Tune (or ham) can resist the ol' 'Shave and a Haircut' routine...

Twoooooooooo Biiiiiiiiiiiiiiiiits!!!!!!

:-) =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: Marshall Emm <75230.1405@compuserve.com>
Subject: [1191] Re: Hello!
Message-ID: <960718002716_75230.1405_HHB63-1@CompuServe.COM>

In a message From: "Bowes, Fr. Bruce" <GBB1@MUSICB.MARIST.EDU>

>> Is it very difficult to do using the equipment that you had?
I would be interested in how you went about it.<<

I'll copy this to the List as you weren't the only one who asked[g]. And for what it is worth, there do seem to be a lot of QRP rigs out there whose owners might benefit from what I have to say about transmitter offset alignment!

The DMM is used where alignment instructions call for specific voltage adjustments (not all kits do) and also can be used where a scope is called for to peak a signal. If we're talking RF output, you can of course peak the signal using a transceiver or a general coverage receiver, but it can be a bit tricky if it is some other frequency like a VFO or IF. In that case you can sometimes use the DMM with an RF probe. If you don't have an RF probe you can make an adequate one as shown below (you're looking for a relative peak, not an accurate voltage measurement). This circuit comes from Dave Benson's Green Mountain instructions, which also include the parts [g].

To test point < -----)(----->|----->to meter

^

-

|

ground

Diodes are any small signal variety and caps are .01's. The diagram wasn't pretty when it left here and it could have got messed up, so let me described it this way. In a line from test point to DMM + lead you have a .01 cap in series with a diode (cathode toward the DMM). Between the cap and the diode you have another diode to ground (cathode toward the + line and between the series diode and the meter you have another cap to ground.

For measurements requiring a frequency counter you can usually use a general coverage receiver, ideally with an accurate digital display. Take a clip lead from the receiver's antenna input to NEAR the test point (sometimes you may have to actually connect it but not very often). Locate the signal on the receiver and zero-beat it. If your receiver handles AM, zero-beat will be right smack in the middle of the two sidetones. Of course if it is in CW or SSB mode you can only hear one sidetone, and need to keep in mind that zero-beat is where there is a very slow rise and fall in the background noise. It is NOT the point where you can no longer hear the audio (which for most people is around 30-40Hz if I remember correctly).

Setting the transmit offset can be tricky, and this is where a separate

transceiver comes in handy. With dummy loads hooked up to both rigs, transmit on the rig under test (let's call it the QRP rig) and accurately locate the signal on the other transceiver (let's call it the big rig).

Let's assume your big rig is set up so that the sidetone frequency is equal to the transmit offset, so that when you match a received signal to the sidetone pitch you will be zero-beat.

I know, some people prefer a higher or lower tone, but otherwise how are you going to know when you are transmitting and receiving on the same frequency? Besides, you can use the RIT to adjust the audio pitch.

Transmit on the big rig and find the signal on the QRP rig. Zero beat it by adjusting the VFO frequency on the QRP rig until the received pitch matches the sidetone of the big rig.

Now transmit on the QRP rig and adjust the offset until you hear the same pitch on the big rig. At this point you should have both rigs transmitting on the same frequency. If your QRP rig has a separate sidetone oscillator (i.e. sidetone is not "sampled" from the output) with adjustable pitch, you may need to do one more series of adjustments. Final check is that you have FOUR tones on exactly the same pitch:

side tone on the QRP rig during transmits matches

received tone on big rig; and

sidetone on big rig matches

received tone on QRP rig.

Some of this you have to do to get a rig on air, period. Aligning the transmitter offset as described above may seem like a lot of trouble, but if you don't do it you may find that you have difficulty in hearing people answering your CQ, and stations calling CQ seem to ignore your responses. As QRP rigs have more narrow and efficient filtering than many "big rigs" the problem is exaggerated, and a weak signal that is 100Hz off frequency is often going to be missed..

73

Marshall

AA0XI/VK5FN

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: Kevin Muenzler <wb5rue@amsat.org>

Subject: [1129] RE: HW-16

Message-ID: <01I7682UWCEKA8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 2:02 AM, Dan Goodwin[SMTP:dgoodwin@world.std.com] wrote:

>Hi All,

>

>One of the guys at work just gave me a Heath HW-16. Does anyone know what
>the power output is?

>

>73, Dan

>

>-----

>

>Dan Goodwin KD1XN

>dgoodwin@world.std.com

>Voice: (508)659-2691

>Fax: (508)686-7262

>-----

>

>

>

It has a max power of 90 watts. The little red mark on the meter is the 75 watt position for the old Novice power level.

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: "Phillip S. Rutledge" <rut@mcrut.mv.com>

Subject: [1131] RE: HW-16

Message-ID: <199607171338.JAA06517@bort.mv.net>

At , you wrote:

>On Wednesday, July 17, 1996 2:02 AM, Dan
Goodwin[SMTP:dgoodwin@world.std.com] wrote:

>>Hi All,

>>

>>One of the guys at work just gave me a Heath HW-16. Does anyone know what
>>the power output is?

>>

>>73, Dan

>>

>>-----

>>

>>Dan Goodwin KD1XN

>>dgoodwin@world.std.com

>>Voice: (508)659-2691

>>Fax: (508)686-7262

>>

>>

>>

>>

>

>It has a max power of 90 watts. The little red mark on the meter is the 75 watt position for

>the old Novice power level.

>

>

>Kevin, WB5RUE

>wb5rue@amsat.org

Bear in mind, that the above represents power **IN** and not out the back end. Probably the most you could expect to get out of a HW-16 would be about 60 watts.

===Phil===(NH)

* Phil Rutledge--KB1GO-- rut@mcrut.mv.com *

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: Kevin Muenzler <wb5rue@amsat.org>

Subject: [1135] RE: HW-16

Message-ID: <01I76A2KDPQ0A8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 4:38 AM, Phillip S. Rutledge[SMTP:rut@mcrut.mv.com] wrote:

>Kevin Wrote:

>>It has a max power of 90 watts. The little red mark on

>>the meter is the 75 watt position for the old Novice power level.

>>

>>

>>Kevin, WB5RUE

>>wb5rue@amsat.org

>

> Bear in mind, that the above represents power **IN** and not out the back end. Probably the most you could expect to get out of a HW-16 would be

>about 60 watts.

This is true, my mistake. I misread the original question. :-/ I remember getting between 60 and 70 watts out depending on the band.

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [1154] Re: HW-16
Message-ID: <Pine.OSF.3.91.960717135650.31133B-100000@saturn.acs.oakland.edu>

On Wed, 17 Jul 1996, Dan Goodwin wrote:

> Hi All,
>
> One of the guys at work just gave me a Heath HW-16. Does anyone know what
> the power output is?

If it's working it should operate from near zero to 75W INPUT which may give you 35W measured output. 75W input is that little red dash mark on the meter.

Nice rig! I still have my original novice HW-16 built in 1975. Hope he gave you the HG-10B VFO unit too! They are getting scarce.

vy 73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [1144] Re: JUNO internet service provider
Message-ID: <96Jul17.112902-0400edt.65558-18193+139@hooch.CC.Lehigh.EDU>

Hmmm...in the heat of the moment (browsing 300+ bounces from the past day or two) perhaps I was too harsh. JUNO seems to be just fine from my point of view, other than the size restriction. Someone had a great idea and stands to make a great deal of money, I think...

73
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: wq8q@juno.com
Subject: [1174] Re: JUNO internet service provider
Message-ID: <19960717.163943.6847.1.wq8q@juno.com>

Got to remember (and you can get juno to admit it) they are really just out of beta testing . . . and they have new 1.15 software available which cures a few of the glitches in the 1.0 . . . now they're ready to hit full force . . .
I've been using Juno since the weekend of Dayton, and after a few little bugs, it's worked fine . . . I have two other service providers, but Juno seems to be the most reliable of all of them . . . I've never lost a message on Juno! How do I know? I play e-mail chess . . . and believe me, you can tell when you miss a move! (I tried packet chess but 5 days between moves was too long - life's too short for packet radio.)

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [1192] Re: JUNO internet service provider
Message-ID: <Pine.SOL.3.94.960717201919.21542A-100000@utkux4.utcc.utk.edu>

Jim (and all),

So far as we have been able to see, the message size is the only restriction that JUNO imposes. However, attachments, if not in ASCII, may not come through in usable form in direct person-to-person mail. However, the system was set up for mail rather than for file transfer. With two Juno accounts in the household (on one software installation), there have been no failures. I have been crosschecking tenten-1 postings on both for several weeks, with no omissions/rejects/problems.

JUNO users should also remember that the advertisements live in the subscriber's file system, being downloaded occasionally with the mail. That allows the user to do with those files what the user chooses. However, advertisement files with the word JUNO in whole or part in them should not be deleted, since those are the placeholders for the other downloaded ads. Most users will, of course, find them unobjectionable repayment for the otherwise free service. So far, most of the advertisers have been of either high reputation or totally unknown to me.

Bottom line from experience so far--tain't bad for a free service, but I'm

glad I also have my fuller service university account. (Note that I said, fuller, not full. The Un. of TN is still a bit primitive when it comes to central computer services for faculty, staff, and students.)

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: 17-Jul-1996 1008 <randolph@pnr.ENET.dec.com>
Subject: [1138] re: Kenwood and declining markets
Message-ID: <9607171439.AA00400@us4rmc.pko.dec.com>

Bob said:

> I don't quite understand this. When I "retired" from ham radio in 1985,
> there were something like 500,000 hams in the US, probably less. Now there
> are almost 700,000 , and Kenwood (and others) are complaining about a
> decline in ham radio.

I think it's fairly easy to see why this is so... Kenwood et al aren't making what we want to buy. Really, who the heck wants a \$3000 radio? About \$2500 worth of that is crap that does little to help your ability to communicate, but does put lots of little knobs and blinking lights on the front panel. It takes 15 minutes to figure out how to switch from SSB to CW! Also, the tendency for the imports to dump perfectly good radios for the latest model of the year, to boost profits, really stinks. Example - the IC735 must have been one of the best selling HF rigs of all time. Why dump it from the lineup? Too easy to use? Not enough knobs? The RatShack HTX202 might be the biggest selling 2m FM radio of all time - it's also among the simplest!

The survey that Chuck posted a short time ago is probably as good a list as any of features that are actually useful. I'd add only "a sensitive, wide dynamic range RX".

All this, BTW, is part of my decision to go homebrew/QRP. Not interested in paying big bucks for a computer that can sort of transmit and receive. The Argonaut I bought a little while ago is a lot closer to what I'd like in an HF rig than any of that YaeComWood stuff.

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com
=====

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [1140] re: Kenwood and declining markets
Message-ID: <Roam.3.0.837615569.30531.myers@bigboy>

> Bob said:

>

> > I don't quite understand this. When I "retired" from ham radio in 1985,
> > there were something like 500,000 hams in the US, probably less. Now there
> > are almost 700,000 , and Kenwood (and others) are complaining about a
> > decline in ham radio.

>

> I think it's fairly easy to see why this is so... Kenwood et al aren't making
> what we want to buy. Really, who the heck wants a \$3000 radio? About \$2500
> worth of that is crap that does little to help your ability to communicate,
> but does put lots of little knobs and blinking lights on the front panel. It
> takes 15 minutes to figure out how to switch from SSB to CW! Also, the
> tendency for the imports to dump perfectly good radios for the latest model
> of the year, to boost profits, really stinks. Example - the IC735 must have
> been one of the best selling HF rigs of all time. Why dump it from the
> lineup? Too easy to use? Not enough knobs? The RatShack HTX202 might be the
> biggest selling 2m FM radio of all time - it's also among the simplest!

While I agree that many modern amateur radios have too many features and controls, I don't believe this "feature overload" is entirely responsible for the expense of modern HF radios. Keep in mind that one American dollar buys half as many Japanese yen today as it did 10 years ago; when coupled with the cost of living changes (as reflected by the Consumer Price Index), it turns out we're getting the best deals we ever have on consumer electronics gear, including amateur radios. If you compare the TS-520/FT-101 class of radios from 1978 to the modern equivalents, it is clear the modern radios are easier to use, work as well or (usually) better, and are much more compact.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1141] RE: Kenwood and declining markets
Message-ID: <01I76BVGSRGOA8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 5:39 AM, 17-Jul-1996
1008[SMTP:randolph@pnx.ENABLED.com] wrote:

>All this, BTW, is part of my decision to go homebrew/QRP. Not interested in
>paying big bucks for a computer that can sort of transmit and receive. The
>Argonaut I bought a little while ago is a lot closer to what I'd like in an HF
>rig than any of that YaeComWood stuff.

>

>=====

>Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com

>=====

Just give me an oscillator with a key and antenna attached!

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: ori@HEA.COM (Ori Mizrahi-Shalom)
Subject: [1180] RE: Kenwood bashing - is it justified?!

Message-ID: <9607172208.AA05731@timber.heava.com>

I read through the many comments about Kenwood et al and I find one thing in common. Seems like they all suffer from the "victim syndrome". Not one good word for a company that invests its best R&D money to give us a TS-850 class radio. Has anyone looked at the price of commercial radios? they sure dwarf the \$1500-5000 price tags for the world-class "overpriced" amateur units.

Let's not forget that the entry level units are priced around the \$1200-1500. They have lots of bells and whistles, but they are also great performing radios.

When you consider inflation, those units are not more expensive than the respectable gear of the '70s.

When you consider the price of the average PC or a home stereo - they are a bargain.

Yes, you can buy a QRP kit for less than \$100 but you can't get the same level of performance as the TS-850 for that price.

And if it wasn't for companies like Kenwood, that took the risk and put in the major investment, we would have been still running mediocre dynamic range receivers and manually tracking VFOs that "travel" all over the band.

Wake up, guys!

This type of development costs money and the companies in that market must make money to go on. So, they cut costs by sharing designs with their commercial divisions and buying boards from another company.

What's the alternative? having no commercial development at all?

We should learn from other industries with a similar history.

Just ask a private pilot about prices of old used light airplanes.

That is the alternative.

I can't suggest how they can become more appealing to the average amateur, that's a job for their marketing. I personally hope that we never see the day when Kenwood pulls out of the ham market.

That will be one major blow to the ham community. If we're having minor problems with band allocations today, try removing the commercial viability as well.

Homebrewing and QRP kits are great but they are not the solution for all. There is a need for a Kenwood and a Ten-Tec and a Wilderness Radio, sorry for all the rest I haven't mentioned.

They all have their contribution to this hobby and for that we should all be very grateful.

72/73 DE ORI AC6AN

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: "Robert J. Gobrick" <rgobrick@nflld.com>

Subject: [1188] RE: Kenwood bashing - is it justified?!

Message-ID: <2.2.32.19960717230802.00ab727c@public.compusult.nf.ca>

Ori and QRP Gang,

A little balanced commentary that us QRPers need to think about. I had the opportunity to actually READ the prepared "Open Letter to the Amateur Radio Community" by Kenwood's management. It appeared in the June 1996 issue of Satellite Operator (a ham radio satellite newsletter) and I'd appreciate it if someone would maybe pull it off the Kenwood BBS and post it for folks who are interested to read what Kenwood "really" says about the North American ham condition (I wonder how ham radio is doing in Japan - have the kids turned to computers??)

I should point out that the editorial lead in by the Bob Meyers W1XT (Publisher of Satellite Operator) sure made the point that Kenwood was off base (Bob likes to "stir" the editorial page).

I can't post the article here but I did see that Kenwood did say that HAMS need to do something to get things turned around. Some "sound bites" from the article:

- "At our biggest hamfests in the country, there are always fewer people in attendance". They didn't say Dayton but just think about your own local hamfests (QRP FDIIM excluded)

- "We are surrounded by many new and exciting communication products. On one side we have cellular phone and the other side we have internet phone".

Sound familiar - which ones interest the kids? Ham radio?

- Kenwood puts forth some objectives: "1) Work hard to expand the hobby to insure it's perpetuation and survival". Can we disagree? "2) Expose the hobby of ham radio to more people in more locations. There are approximately 50 retail stores serving hams throughout the USA. We currently have about 690,000 licensed hams with 250,000,000 in total population" Sounds like 50 stores isn't cutting it in Kenwood's marketing plan - look at the potential sales if they can expose more folks to ham radio. Anyone wonder why Radio Shack is doing so well selling their ham gear - I don't think it's because it's simple - I think it's EXPOSURE. (OK Sears never did cut it as a ham radio outlet...)

There's more but I think you may be getting a little of the flavor of this - Wayne Green would love it. What they are saying is that WE HAMS (including us QRPers) need to start acting. Quit bad mouthing the QRO types. Quit bad mouthing the ex-CBers. Quit bad mouthing why the ARRL aren't getting the kids interested. WE NEED THE NUMBERS if we are going to hold on to our bands (LEO attack) and Kenwood needs the numbers if the Japanese stock market is going to "let" them sell ham radios. Business is Business.

Boy I hope I haven't stirred anyone up :^) And if you would like to reply please post to the group - my flame suit is the old style asbestos type - full of holes. I hope someone posts the Kenwood Open Letter - it's thought provoking even if you don't agree. Heck it may even give us some ideas on how to "grow" our hobby and "grow" our QRP hobby - BUT please don't bash other hams (QRO, digital types (why even in a recent editorial by editor Jim Mortensen N2HOS of the best digital publication around "Digital Journal", Jim made a plea to the digital troops to remember that they need to co-exist with the QRPers down around 14.060. It's editorials like that that make me feel that it's not them and us but HAMS WANTING TO LOOK OUT FOR THE SURVIVAL OF OTHER HAMS).

So that's a "short" little commentary - no replies needed - just blowing off some steam and it's not even Friday yet...

Cheers Bob V01DRB/WA6ERB

in the At 15:08 7/17/96 PDT, you wrote:

>

>I read through the many comments about Kenwood et al and I find one
>thing in common. Seems like they all suffer from the "victim syndrome".

>Not one good word for a company that invests its best R&D money to
>give us a TS-850 class radio.

>

>72/73 DE ORI AC6AN

| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |

```
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
|                bgobrick@nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----|
```

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Dan Harriman" <KC5GXL@pnx.com>
Subject: [1197] RE: Kenwood bashing - is it justified?!
Message-ID: <199607180305.XAA122352@nss2.CC.Lehigh.EDU>

Well said, Ori.

I personally cannot afford a new Kenwood, BUT, I know that they are one of-if not-THE BEST there is! They have put a lot of R&D into everything that they have ever built. Maybe they will try a little qrp someday. Also with a qrp price:-)
73, Dan aka kc5gx1

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [1169] RE: Kenwood Whining
Message-ID: <19960717.153257.11207.1.wb2vuo@juno.com>

Now just wait a minute!!! Wasn't Kenwood the company that used to market the "QRP" versions of the radios under the TS-xxxV designators?? I had a TS-130V and a TS-120V, and they ran 10 Watts PEP. They were the radios designed, and type-accepted (in Japan) for the Japanese Novices. The differences weren't that great (price-wise), but they fit a nice niche. So, why doesn't Kenwood come out with a Real price-effective radio?? If they can sell a 50 watt, 2 Meter mobile, all SMT, robot-built, etc... for \$350, then WHY can't they do this with a BASIC SSB/CW rig in the \$500 - \$600 range???

I have had a couple of Alinco's, both current gear and gear I have already swapped, and the Alinco books look like Kenwood books, and better yet, their VHF radios have boards in them labled with Kenwood Part Numbers!!!

Best example was a DR-130 mobile, with a main board that had "TM-241 Main" etched right on the PCB !! So, who REALLY is/owns Kenwood &

Alinco???

Food for thought?? 72/73, Keith, WB2VU0, QRP-L # 582
(In the Depths of the Great Bergen Swamp...)

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: davander@niia.net
Subject: [1119] Re: KenWood's Whining and Truck stop sales, etc.
Message-ID: <199607171159.GAA10165@silver.niia.net>

Hi All...

If Kenwood is indeed losing market share (and money) maybe they should take a look at what the market is doing and respond to what the customer wants. Kenwood AND Yeasu have got to be getting their butts kicked by Icom and Alinco because these two companies have delivered products that consumers want. Look no further than the IC706 and the DX-70T. These are break-through products that are selling like hotcakes. What does Kenwood and Yeasu offer to compete? A small hf mobile rig TS 50 with NO six meters, and a matching, overpriced six meter only rig. Yaesu comes out with a new small mobile hf only rig FT600. If these guys are serious, they had better see what the market wants...and respond accordingly.

Either that, or Kenwood should get back to making stereos....

Dan Vanderplough
NA9N

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Subject: [1164] Re: KenWood's Whining.....
Message-ID: <442.837629734@safety.ics.uci.edu>

I don't know if all this brouhaha is true about Kenmore crying the blues, but in addition to their market appeal, there is the issue of service. I have always personally been treated well by Kenwood service (I show up in person and talk to the folks there) but many, many of my good friends have been burned and remember that when they want to buy another rig. Their public relations via service has been in shambles for years. Silly Kenwood,

tricks are for kids.

Clark
WA3JPG

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [1124] Re: Looking for a replacement st. key
Message-ID: <2.2.16.19960717063000.2a7f642c@popd.ix.netcom.com>

>Ted Kell KC5CUW wanted a gud straight key...
>
>How about a straight key made my Nye Viking co. They are really rugged,
and >look great! I see
>them for sale at Amateur Electronic Supply stores around the U.S. Several
>models available, some
>with genuine navy style knob, some with heavy cast bases to stay put on
your >desk. Happy
>Hunting.
>
>72,
>Jerry KD0CA
>

I'll second that, for the Nye Viking keys.. I still have the one with a
Navy-knob that my parents gave me for my 16th birthday, in 1968! Been a
good key..

CUL -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Barry L. Eure" <ks4rt@cris.com>
Subject: [1196] Re: Looking for a replacement st. key
Message-ID: <31EDCC6B.7E95@concentric.net>

AE0Q / V31RY wrote:
>

> >Ted Kell KC5CUW wanted a gud straight key...
> >
> >How about a straight key made my Nye Viking co. They are really rugged,
> and >look great! I see
> >them for sale at Amateur Electronic Supply stores around the U.S. Several
> >models available, some
> >with genuine navy style knob, some with heavy cast bases to stay put on
> your >desk. Happy
> >Hunting.
> >
> >72,
> >Jerry KD0CA
> >
>
> I'll second that, for the Nye Viking keys.. I still have the one with a
> Navy-knob that my parents gave me for my 16th birthday, in 1968! Been a
> good key..

I tried out a lot of keys, over a long period of time, but seem to always come back to the Nye Viking Master Key! For me it was something about the feel/touch that I have never found in other key, not even close!

72

Barry - KS4RT

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: rflight@VNET.IBM.COM
Subject: [1121] Re: Major Problem
Message-ID: <199607171204.IAA50704@nss2.CC.Lehigh.EDU>

My start in ham radio was a high school radio club. We sorely lacked operating funds, and our library was pretty austere. Contact the local Jr. high school and high schools in your area, and offer them as a donation. Your friend can even take a pot shot at the IRS for this gesture come April 15 1997 :-)

Best Wishes on your mission of making room for "new" Junque :-)

72 de N3G0, Gary - Raleigh, NC

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: N2QCE@aol.com
Subject: [1128] Re: PSE Feedback on MFJ-971, MFJ-901B, Kanga/Dan Tuners

Message-ID: <960717091343_436048199@emout19.mail.aol.com>

In a message dated 96-07-16 11:49:24 EDT, you write:

> Does anyone use one of the following tuners: ...MFJ-971

I use the 971 and love it. I made the mod to show power outputs in 5 watt range as shown in the docs. I've had it for several years and it has always performed without flaw. If I can offer you any specific information please let me know. I use my 971 with an MFJ-9040 and a dipole. I plan to get another for the field in the near future. Best 73. de John N2QCE

- John Evans n2qce@aol.com

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: wb2vuo@juno.com (William K Hibbert)

Subject: [1152] RE: QRO vs QRP attitudes, et al

Message-ID: <19960717.133740.11135.1.wb2vuo@juno.com>

I am afraid that the QRO/QRP mindset differences will be with us forever.

My very first TX was a single 2N384 on 80 Meters (built from a Popular Electronics article) I worked a couple of locals on 80, and got a QSO from MA, at which point, I finished my Johnson Viking Adventurer, and went on the air with "50 Watts in...", still considered "QRP" in 1966. I got a couple of nasty remarks with the QRP rig about "forgetting to put in the finals(s)...", and being only able to "work only your own receiver..." I even had an office of the club accuse me of making up the QSL's because the 50mw or so was "too piss-weak to be heard by anyone..."

We still have the same mindset in 1996 to fight, and the "forgot the finals" comment has been tossed around at BARK (Brockport A.R. Klub) meeting more than once, even AFTER running a 5A/Battery QRP Field Day. Well, the NEW Field Day Chairman has decided that we will run 1500(+) watts because of the "Life is too short for QRP" mindset. I am Bummed!!!

This year, KB2UFY had the BEST, I repeat the B-E-S-T score on Field Day EVER for the Klub, and we will run all the Smoke in 1997 to get t he "BIG SCORE !!!"

We made 340 (+/-) QSO's on Field Day at 5 watts, and will need 1700 (!!!) QSO's PLUS to tie our score! We SHOULD forget the finals!!!

How's about a Petition for Rulemaking, requiring a special permit,
(non-refundable \$500 filing fee), to Buy/Build an HF amp for 50+ watts.
The applicant would need to show & prove a need for the "Excessive "
power level he needs to run, and file an Engineering review and
Environmental Impact Statement for said operation...
The funds would go Directly to the FCC for enforcement actions...

I realize that anyone that feels he "needs" an Alpha has more money than
he knows what to do with, but this might quiet the bands down some...

I am sure that it won't quiet down my E-Mail account, but think about it
:-)

72/73, Keith, WB2VU0, QRP-L # 582
(From the Depths of the Great Bergen Swamp...)

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1161] RE: QRO vs QRP attitudes, et al
Message-ID: <Pine.SUN.3.90.960717114353.27425B-100000@vortex.sage.dri.edu>

Buy a permit for an amp?

Naw, too many people have all the money needed to play
that game.

Most contest stations have antennas that cost much more
than my whole house and land! What's \$50? or \$100 and etc?

Now if the premit was to cost 10% of your net worth.....well
that might work..... :-)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Jim Lowman <jmlowman@ix.netcom.com>

Subject: [1184] RE: QRO vs QRP attitudes, et al
Message-ID: <199607172322.QAA08613@dfw-ix12.ix.netcom.com>

At 01:37 PM 7/17/96 PST, you wrote:

>I am afraid that the QRO/QRP mindset differences will be with us forever.

>How's about a Petition for Rulemaking, requiring a special permit,
>(non-refundable \$500 filing fee), to Buy/Build an HF amp for 50+ watts.
>The applicant would need to show & prove a need for the "Excessive "
>power level he needs to run, and file an Engineering review and
>Environmental Impact Statement for said operation...
>The funds would go Directly to the FCC for enforcement actions...

That might be a bit extreme, but I really can't see why anyone needs to use more than 100-200w in the first place, when operating QRO. That's pretty much the limit for even the top-of-the-line gear today, be it Ten-Tec or rice box.

We've all seen the comparisons of signal strength between a Kw and QRP.

Around the club, there are only a few hams left who are interested in HF, DX and contesting. They believe the "Life's too short for QRP" line, as well. At least it beats hearing about packet and repeaters. :-)

When I mention that one of the better features of an IC-706 or an IC-775 is that they can be turned down to 5w, they tell me that I'm sick.

72 de Jim - KF6CR

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: k7yha@juno.com (richard h. arland)
Subject: [1190] Re: QRO vs QRP attitudes, et al
Message-ID: <19960718.004353.4431.8.k7yha@juno.com>

On Wed, 17 Jul 1996 13:37:34 PST wb2vuo@juno.com (William K Hibbert) writes:

> Well, the NEW Field Day Chairman has decided that we will run 1500(+)
>watts because of the "Life is too short for QRP" mindset.

The Wyoming Valley QRP Commandos was founded in 1992 due to this attitude on the part of one of the BIG GUNS of the local MURGAS ARC. After a monthly club meeting prior to FD where a video of the previous years FD operations was shown, I picked up three guys who wanted nothing to do with the club's FD plans. Why? during the video, the entire audience was

treated to 20 minutes of swearing from one of the club members who was trying to rebuild a carburetor on the generator. Apparently whoever shot the video thought that was THE highlight of FD and chose to feature 20 minutes of profanity as the main drawing point to why everyone should show up at Moon Lake Park for FD with the club.

We did very poorly the first year. There were only 5 of us, three of which were on site for the entire FD effort, and two others who arrived to help operate during various times.

The following year the Commandos took to the field almost 20 strong! This upset several selected members of the local club VERY much. Our score in the 2A battery QRP class was within 500 points of the local clubs 3A score using 100-150 watts. This upset several more people. Don't worry, I didn't let them forget that they got waxed by a bunch of QRPers (we were down by one transmitter and 13dB of power...no doubt about it....we wax 'em!).

Next year (1997) the Commandos are going to formally challenge the MURGAs ARC to a head-to-head competition. We will run what ever class they are willing to run, only we will use QRP. When the dust settles, I am confident we will be rubbing the BIG GUNS noses in the dirt.

>I realize that anyone that feels he "needs" an Alpha has more money
>than he knows what to do with, but this might quiet the bands down
>some...

One of the things I kept hearing on the CQ-Contest reflector was the whining about how weak the WRTC stations were, on the whole, the cry for "more power" was astounding. I had NO problem working 14 of the team stations running QRP. Yes, their signals were "down" from that which I would normally associate with a world class contest station. But I worked them. No problem.

I believe that the need for a linear amp goes much further than wanting to be heard. It is a deep rooted psychological problem and these people need intense therapy. And , "NO" I'm not kidding. Their intolerance toward anyone who doesn't run power is pathetic.

Going back to one basic premise: these high power freaks are embarrassed and unable to deal with ORPers who manage to work the same DX and contests running QRP power levels. Its that simple. They cannot comprehend how we do it without a KW or more! They just don't get it....and, sadly, probably never will.

72 es tn timer for the soapbox.

rich K7YHA

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [1151] RE: QRP/QRO attitudes
Message-ID: <12D7EC3101172C16@mhsgate.meth-mem.org>

>
> From: "G.F. (Gary) Sehne, Advanced Micro Devices" <Gary.Sehne@amd.com>

>He said he was a DX hunter. I told him I'm a QRP'er. Then he said:

>
>"Well, you know what they say...Life's too short for QRP. My breakfast
>is
>getting cold"
>and promptly went back to his table. His loss. My gain. Regards,
>N2KTY(Gary
>in Austin)
>

Hello Gary, et al: tnxs fer the advice abt taking a look at the ship/board
'shack'. The XYL es I are planning a cruise this spring. I will certainly
will take your advice. Now my input regarding DX and QRP. While I am
only an occasional DX'er, I have found that most dx really appreciate es
want to work QRPers' but sumtimes the qro racket drowns out everything
else. My suggestion that has worked for me is if you have access to a
dx-cluster (especially if it has international connections) is to put out a
general
message that you would like to the work the dx qrp. Often times a friendly
cooperative dx'er will assist in the contact. I have internet access to a dx-
cluster
in Italy that primarily serves europe but a friendly call out on the network
almost
invariable will result in a qso/connect with a very cooperative dx operator.

my 2 db, cul 72/73 de Mike, KR4IT

BTW: I have yet to work a european qrp-l'er but looking forward to it.

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1163] RE: QRP/QRO attitudes
Message-ID: <Pine.SUN.3.90.960717115219.27425E-100000@vortex.sage.dri.edu>

On Wed, 17 Jul 1996, Mike Cloud wrote:

> Often times a friendly cooperative dx'er will assist in the contact.

How can you claim a real contact if another station helps? Isn't that the same thing as the worthless "contacts" we hear about being made on the DX SSB nets?

Hmmmmm, better put my flame suit on.....

Lunch time about over, back to work, cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996

From: Mike Cloud <cloudm@mhsgate.meth-mem.org>

Subject: [1175] RE: QRP/QRO attitudes

Message-ID: <920BED3101172C16@mhsgate.meth-mem.org>

>

> From: Monte Stark <ku7y@sage.dri.edu>

>

>On Wed, 17 Jul 1996, Mike Cloud wrote:

>

>> Often times a friendly cooperative dx'er will assist in the contact.

>

>How can you claim a real contact if another station helps? Isn't that

>the same thing as the worthless "contacts" we hear about being

>made on the DX SSB nets?

>

>Hmmmmm, better put my flame suit on.....

>

>Lunch time about over, back to work, cul,

>

>73, Ron,

No flames, but a momentary backward nasty glance meant to intimidate but not harm, hi hi. Yah, but I like it, the DX likes it, and it feels GUUUD!

Fortunately there is room here for the appliance operator and the ham who not only grinds his own crystals but digs them out of the ground himself. cul Ron de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1176] RE: QRP/QRO attitudes
Message-ID: <01I760IJSZY4A8CFCU@ARWEN.UTHSCSA.EDU>

On Wednesday, July 17, 1996 4:49 PM, Mike Cloud[SMTP:cloudm@mhsgate.meth-mem.org] wrote:

>Fortunately there is room here for the appliance operator
>and the ham who not only grinds his own crystals but digs
>them out of the ground himself. cul Ron de
>Mike, KR4IT

Dig 'em out of the ground, eh? How about those of us who have to melt down sand to make our own crystals? I've had rigs that looked like Fred Flinstone built them! You know the type, made out of wood and stone with animal-skin covers.

Kevin, WB5RUE

"Press any key to continue, any other key to quit."

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [1157] Re: WB8ZJL portable demo on Wed. AM!
Message-ID: <Pine.OSF.3.91.960717140659.31133D-100000@saturn.acs.oakland.edu>

On Wed, 17 Jul 1996, Floyd Soo, KF8AT wrote:

> Just in case some of you may be available for a QSO, Paul-WB8ZJL, will be
> doing a ham radio demo outside in a park in Auburn Hills, MI. He will be
> operating from 10AM to 1PM EDT on WED, 17 July 1996. He will start on 40
> metres near 7.258 (Midcars).

Been there done that...

Boy that was fun! And the best part was.... I get paid for doin' this!

I worked about a dozen hams across the eastern part of the USA. From CT down to FL and MS. I was on 40M and 20M. Gosh... there sure a lot of old farts on 40M in the morning! All the kids were REALLY interested to hear one guy rattle off his health problems... SHEEZE.

The rest of the QSOs were great! The kids had a ball taking turns on the microphone and (whispering) their names ;-)

I always had the whole gang yell, "BYE <insert_name>!" at the end of a QSO... then the ol' Corsair ALC lamp lit :-)

KIDS LOVED THE CW KEY TOO!!! Next time I *have* to bring some straight keys so the kids can send the "secret" code to each other. I also brought a bunch of DX QSL cards (from my wasted youth as a sleazy DX-hound). Many DX cards are photos and color pictures and the children thought they were "cool!"

If you guys think ham radio is dead, try doing a demo like this and get charged up again. I only wish there was a ham class being offered here in the city soon.... hmmmmmmmmmmmm!

Kids were interested in what things COST too. Fortunately I brought along the NorCal 40A+ and my world-famous (as seen in QRP-Q and QRP-L) 49er kit. We made a few contacts though the repeater with my HT crossbanded through my car to Floyd's USECA repeater, and I managed to sneak in one QRP CW contact too.

73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: <owner-qrp-1@fidoii.cc.lehigh.edu>
Subject: [1171] Re: WB8ZJL portable demo on Wed. AM!
Message-ID: <31ED4376.38E9@postoffice.worldnet.att.net>

Paul R. Valko wrote:

>
> On Wed, 17 Jul 1996, Floyd Soo, KF8AT wrote:
>
> > Just in case some of you may be available for a QSO, Paul-WB8ZJL, will be
> > doing a ham radio demo outside in a park in Auburn Hills, MI. He will be
> > operating from 10AM to 1PM EDT on WED, 17 July 1996. He will start on 40
> > metres near 7.258 (Midcars).
>
> Been there done that...
>
> Boy that was fun! And the best part was.... I get paid for doin' this!
>
> I worked about a dozen hams across the eastern part of the USA. From CT
> down to FL and MS. I was on 40M and 20M. Gosh... there sure a lot of
> old farts on 40M in the morning! All the kids were REALLY interested to
> hear one guy rattle off his health problems... SHEEZE.
>

that they are exposed to so much spiffy hi-tech computerized stuff that something simple and mechanical like a bug (that doesn't even need batteries!) is really a wonder to them.

And Paul's right...school radio demo's are a fun thing to do and the kids just eat it up. Highly recommended if you can do it.

Mark AA7TA

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: DYARNES@aol.com
Subject: [1136] Re: What it is.
Message-ID: <960717101605_239603719@emout08.mail.aol.com>

Paul's right about not hearing SN that much lately, but in this case his 20+ years may not be enough. Prior to that I remember it was more common, primarily just as a separator for ideas. It was used to fill "pregnant" pauses when someone was thinking of what to say next as was BT overscore.

When straight keys and bugs were more prevalent SN just seemed more common, but it never attained the level of usage of BT, etc. I never looked up to see what SN really meant, but I guess the usage I remember sort of confirms the informal meaning someone mentioned about "I'm going to send you some traffic", or whatever.

I don't ever remember getting the impression that SN meant "understood", but that certainly could have been what it was supposed to mean. I kind of like the idea of having something to indicate that you understand the gist of what was sent but didn't copy 100% for whatever reason. It almost seems like people tend to use "R" even when they may not have copied 100%, and indicate "solid copy" when they did copy 100%. I must admit I have never considered 100% copy to be a requirement for sending "R", although that may be technically correct.

BTW, when I hear commas and periods being sent the odds are I am hearing one of two things: W1AW or somebody using a keyboard! I know I'm too lazy to send those characters.

72 de David W7AQK

From owner-qrp-1@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1142] Re: What it is.

Message-ID: <Pine.SUN.3.90.960717075942.26800E-100000@vortex.sage.dri.edu>

On Wed, 17 Jul 1996 DYARNES@aol.com wrote:

>
> BTW, when I hear commas and periods being sent the odds are I am hearing one
> of two things: W1AW or somebody using a keyboard! I know I'm too lazy to
> send those characters.
>
> 72 de David W7AQK
>
>

Am I the only one that sends a comma after the city and before the state?
With a keyer it's very easy to send.

I also send a dash, (_...._), when needed and even use a period now
and then.

Have always wondered how many people understand the dash nowadays!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Jul 17 23:12:36 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [1159] Re: What it is.
Message-ID: <Pine.OSF.3.91.960717142700.31133F-100000@saturn.acs.oakland.edu>

On Wed, 17 Jul 1996 DYARNES@aol.com wrote:

> people tend to use "R" even when they may not have copied 100%, and indicate
> "solid copy" when they did copy 100%. I must admit I have never considered
> 100% copy to be a requirement for sending "R", although that may be
> technically correct.

This is funny because I always considered 100% copy to deserve an "R."
Anything less (in this OMs book) gets, "OK OK"

> BTW, when I hear commas and periods being sent the odds are I am hearing one
> of two things: W1AW or somebody using a keyboard! I know I'm too lazy to
> send those characters.

That's a Hoot! Never thought of it as being "lazy" but the shoe sure
fits ME!

73 =paul= wb8zjl